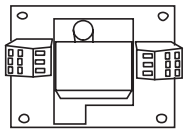
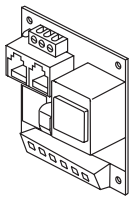
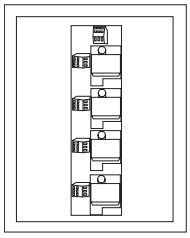
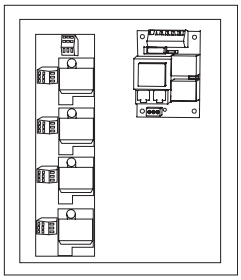
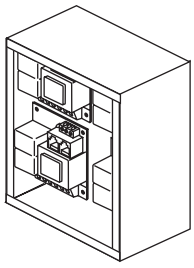
IntelliFlex® Controls

by DRAPER

Reference Sheet

Please use this form as a reference. Controls must be ordered using the IntelliFlex Controls Planning Sheet or the submittal form for the shade product being specified.

		Draper Part Number
	***Isolating Relay*** Isolating Relay allows control of single shade—one isolating relay is used per motor. However, you can also daisy chain up to 12 Isolating Relays, and control them using a single line 15 amp voltage (110-120V) switch. The Isolating Relay can also be used if existing motors are failing due to inadequate pre-wired installations (i.e., not enough wires pulled to motors). Operated by line voltage switch (SPDT only).	C157.012
	***SC1*** The SC1 is a smart, addressable control designed to operate one motor with four intermediate stops. Each SC1 is an individually addressable and programmable single motor controller which hears commands from any number of input devices (low voltage or Bus), interprets the command, and activates the appropriate relay to the group of motors—through RJ11 (four-conductor) modular phone cable. BUS communications system allows parallel connection of window shade motors and can be expanded later to include other control options. Fits in a deep single gang box. Has a switching capacity of 6 amps. Can be operated by any IntelliFlex input device, and can control several shade motors if each motor has an Isolating Relay.	C156.065
	***GC4*** Four 110-120V, single-motor electronic “isolating relays”, packaged in an 8" x 8" enclosure, the GC4 is an inexpensive way of controlling multiple motors on a single switch. (Can be grouped together in banks of three, to control up to 12 motors, operating on a standard, SPDT 15-amp switch.) Wires stay where they are meant to through UL-recognized, spring-loaded connection terminals—providing for an extremely fast and easy installation. Install individual relays to allow parallel wiring of multiple motors on one switch. This system does not allow for control/adjustment of individual motors or mid-window alignment positions, and is not suitable if different fabrics or tube diameters are being used in a single 4 motor panel. Can be operated by any IntelliFlex input device. UL listed enclosure included.	C156.058
	***SGC4*** A low voltage control system, allowing control of up to 240 motors in groups of four motors, with six subgrouping functions which can be changed through programming. ***Does not*** allow for adjustment of mid-window alignment of individual shade motors, and is not suitable if different fabrics or tube diameters are being used in a single 4 motor panel. This unit is basically a GC4 (see above) packaged with an SC1 in an 8" x 8" enclosure. Brings down the cost of controlling individual motors, while enabling “smart” communications via Bus communications system. Suitable for commercial installations where individual motor control is not essential, but flexibility of control options and subgroup control is desired. You can program from anywhere on the Bus: no access to the electrical panel is required and there are no cumbersome DIP switches to set. In addition, you can program the SGC4 from many sources: IR Wireless Remote Transmitters, RF Wireless Remote Transmitters, Hardwired Key Pads with built-in IR receiver, RF Key Pads, RS232 systems and IP sources. Can be operated by any IntelliFlex input device. UL listed enclosure included.	C156.059
	***SPGC4*** A low voltage control system allowing control of up to 60 motors individually, with four mid-window alignment stops, six programmable subgrouping functions which can be changed through programming, and a myriad of grouping possibilities. Combines SC1 capabilities to control individual motors, groups of motors or ALL motors through RJ11 (four-conductor) modular phone cable. Ideal for residential and commercial installations where individual motor control is essential, as well as flexibility of control options and subgroup control. You can program from virtually anywhere: no access to the electrical panel is required and there are no cumbersome DIP switches to set. Program 4 automatic stops and special IntelliFlex features from many sources: IR Wireless Remote Transmitters, RF Wireless Remote Transmitters, Hardwired Key Pads with built-in IR receiver, RF Key Pads, RS232 systems and IP sources. Can be operated by any IntelliFlex input device. UL listed enclosure included.	C156.060

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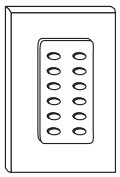
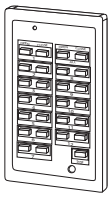
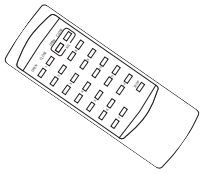
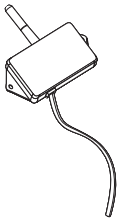
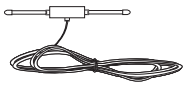
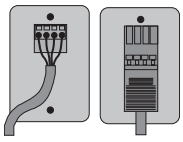
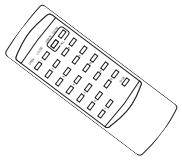
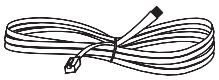
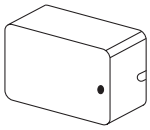
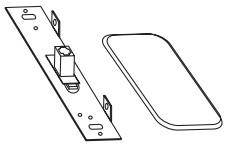
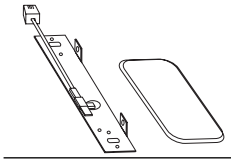
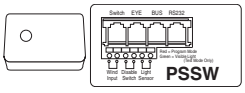
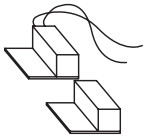
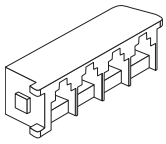
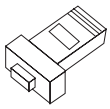
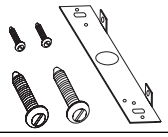
IntelliFlex Control Systems by DRAPER

IntelliFlex Reference Sheet by Draper

		Draper Part Number
	***Dry Contact Wall Switch*** Clearly marked for intended function. Site-specific overlay may be provided. Only one button must be activated per function. This input device can be used with the SC1, SGC4 or SPGC4. ***Fully Programmable Bus Interface Wall Switch*** Switch is clearly marked for intended function. Site-specific overlay may be provided. Only one button must be activated for each function. Switch is capable of being reprogrammed to allow for various control scenarios. Switch may act as a group switch, an individual motor switch or any combination thereof. This input device can be used with SC1, SGC4 or SPGC4. ***Fully Programmable Bus Interface RF Wall Switch*** Same as above, but sends RF signal. This input device can be used with SC1, SGC4 or SPGC4. You must also select an RF receiver.	Various—see Draper's IntelliFlex Wall Switch Selection Guide
	***Wall Mountable Keypad (24 Channels)*** Only one button must be activated for each function. Keypad may act as a group control, an individual motor control or any combination thereof. This input device can be used with SC1, SGC4 or SPGC4.	C112.081
	Wall Mountable Keypad (12 Channels) Same as above, but 12 channels. This input device can be used with SC1, SGC4 or SPGC4.	C112.083
	RF Keypad (24 Channels) Same as above, but RF, and 24 channels. This input device can be used with SC1, SGC4 or SPGC4. You must also select an RF receiver.	C112.080
	RF Keypad (12 Channels) Same as above, but 12 channels.	C112.082
	RF Keypad (6 Channels) Same as above, but 6 channels.	C112.084
	***24 Channel Combination RF/IR Remote Control Transmitter*** The transmitter is clearly marked for intended function, and shall send signals simultaneously via RF and IR. Only one button must be activated for each function. May act as a group control, an individual motor control or any combination thereof. This input device can be used with SC1, SGC4 or SPGC4. You must also select an IR Eye or RF Receiver.	C072.014
	12 Channel Combination RF/IR Remote Control Transmitter Same as above, except 12 channels.	C072.015
	6 Channel Combination RF/IR Remote Control Transmitter Same as above, except 6 channels.	C072.016
	***RF Remote Control Receiver*** Listens for a unique security code from the transmitter. Each receiver can learn up to 5 transmitter codes. Multiple units can be installed on the Bus, extending the effective range of an RF system. Can be set up to listen to commands from a number of sources including: RF transmitters, RF Key Pads, RF Transmitter modules (that can send commands from Sun and Wind sensors or RS232 interfaces). One unit controls up to 60 motors. This input device can be used with SC1, SGC4 or SPGC4. You must also select an RF or combination IR/RF transmitter.	C081.017
	***RF Long Range Antenna*** Replaces standard antenna to increase transmitter operation distance from receiver.	C267.001
	DC Power Supply for wireless Serial Interface Power supply converts 115V AC to 5V DC for RF operation of Transmitter and RS232 Serial Interface.	C258.002
	***Wall Entry Plate*** Designed to assist in pre-wiring. Pre-wire one per specified motor; when it's time to hook up the motors, just plug them in.	C079.061

IntelliFlex Reference Sheet by Draper

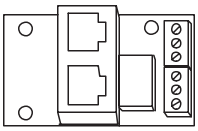
		Draper Part Number
	***24 Channel IR Remote Control Transmitter*** May act as a group control, an individual motor control or any combination thereof. This input device can be used with SC1, SGC4 or SPGC4. You must also select an IR Eye.	C072.017
	12 Channel IR Remote Control Transmitter Same as above, except 12 channels.	C072.018
	6 Channel IR Remote Control Transmitter Same as above, except 6 channels.	C072.019
	***IR Remote Control Eye on 6' Modular Cable*** Tiny IR eye designed to peek out from behind a surface. 72" white modular cable provided. One eye connected to a Bus allows control of up to 60 motors. Dimensions of black part of eye: ¼" x ¼" x ¼". This device can be used with SC1, SGC4 or SPGC4. You must also select an IR or combination IR/RF transmitter.	C081.013
	IR Remote Control Eye on 2' Modular Cable Same as above, but the length of white modular cable is 24".	C081.012
	***IR Remote Control Eye in Plastic Box*** IR eye in a white box is designed to be wall mounted. The length of white modular cable is determined at the job site and can be up to 100 feet. One eye connected to a Bus could allow for control of up to 60 motors. Dimensions: 2" x1¼" x ¾". This device can be used with SC1, SGC4 or SPGC4. You must also select an IR or combination IR/RF transmitter.	C081.014
	***IR Remote Control Eye for J-Box with Lens*** IR eye is to be single gang junction box mounted, and appears as part of the existing junction boxes at a project. The length of white modular cable is determined at the job site and can be up to 100 feet. A violet, decora sized IR lens is included. One eye connected to a Bus could allow for control of up to 60 motors. This device can be used with SC1, SGC4 or SPGC4. You must also select an IR or combination IR/RF transmitter.	C081.015
	***IR Remote Control Eye/SC1 J-Box Mounting Kit*** Junction box mounting kit for locating a single SC1 into a single gang junction box. Includes IR eye, hardware and Decora sized violet IR lens. This device can be used with SC1. You must also select an IR or combination IR/RF transmitter.	C081.016
	***Programmable Sun Sensor with Box*** Sensor shall automatically control individual shade or groups of shades in response to the position of the sun. This input device can be used with SC1, SGC4 or SPGC4.	C156.057
	***Magnetic Lockout Switch*** Install at a door or window to provide SPST maintained contact back to SC1 motor control. When closed, the SC1 operates; when open, the window treatment is opened. Adjustable cord length. Attach to Open and Common terminals of the manual inputs. This input device can be used with SC1, SGC4 or SPGC4.	C112.085
	***Multi Control Input Adapter for up to 2 Eyes and 2 Receivers*** Used when the number of "Eye" ports are insufficient to power all of the devices within a given SC1 system. Allows for 2 devices to be added to a Bus. Connects via "Main" to any "Eye" within a system. Aux connections to as many as two SC1 motor controls.	C103.043
	***Serial Port Adapter*** Converts a standard DB9 serial output of a PC into an RJ11 connection providing RS232 serial commands.	C103.042



Mounting Bracket for SC1

C002.490

Allows installation of SC1 in North American deep single gang junction box (2" x 4" x 3¼").



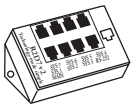
PSI60 Bus Command Converter (for Dry Contact Input)

C112.086

Converts simple Dry Contact button press and outputs as an SC1 Bus command.

R2D7 RS232 Professional Integration Interface

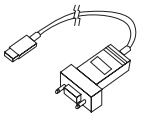
C156.066



Acts as additional Bus system input device allowing a facilities manager to send commands to shade motors at any time to position shades appropriately for maximum utility and efficiency. Includes free "GUI" software capable of scheduling timed events and global alignment positioning of shades. This input device can be used with SC1, SGC4 or SPGC4.

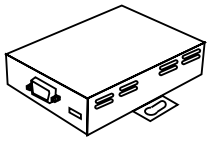
USB-to-DB9 Serial Port Converter

C103.049



Serves as a bridge between USB port and standard RS232 Serial Port.

LS100 Internet Protocol Interface Device



Ethernet to Serial bridge device to control R2D7 via Ethernet. Comes with its own power supply and instructions. The LS100 can have a static IP address assigned to it, allowing for direct access to any device connected to it via Ethernet connection. This input device can be used with SC1, SGC4 or SPGC4.

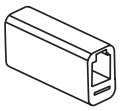
Modular Jack Adapter

C103.045

Modular Jack Adapter for four wires converts any size wire into an RJ11 connection.

Modular Cable Coupler

C131.022



For use in extending a wire used in a Bus, this white coupler connects standard phone cable together and keeps the wires correct. CAUTION: similar looking parts at retail stores look the same, however they flip the wires: if used in a Bus installation will disable the Bus and kill the system.

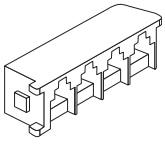
RJ15 Modular Connector

C079.054

Standard (6 pin connectors) modular plug. Commonly known as RJ15.

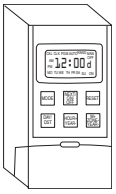
Three-System Master Control Splitter

C156.062



Allows for the isolation of motor controls in up to three systems. Local control sources may be installed allowing a user to have local control only, at the same time a MASTER control location can be installed allowing that Master location only control of the entire system. Small RJ11 part—4 jacks.

LCD Timer



The timer acts as a “normally open” (NO) switching device. This delivers a closed contact in the “On Mode,” and an open contact in the “Off Mode.” The timer may be set to deliver up to seven (7) On/Off setting pairs. Each setting pair can be set to activate: everyday, once a week, every weekday or weekends only. The timer can be used as a local switch. The timer is capable of many other features (including: Astronomic Feature, Automatic Daylight Savings Time adjustment, Random Operation feature, and much more).